

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-38 (Canceled).

Claim 39 (New): An information processing apparatus, including a communication part communicating based on connection information from a terminal connected through a network, wherein the connection information includes an URL and the URL included in the connection information is formed by common path information and relative path information following the common path information, and

wherein said information processing apparatus comprises:

a handler part specifying a function corresponding the relative path information of the URL by referring to a list in which the relative path information corresponds to a function name;

an execution part calling the function specified by the handler part by using succeeded information of at least one of terminal type information, language information, or profile information included in the common path information of the URL and outputting execution result information including the succeeded information;

an XML description part describing the execution result information in XML;

a Web page generation part generating a Web page by an HTML conversion part converting the XML described by the XML description part into HTML by using a style sheet corresponding to the succeeded information from a plurality of style sheets for converting into the HTML for each of different succeeded information; and

a setting part specifying the succeeded information from the connection information and setting the specified succeeded information at a location of the succeeded information of the common path information of the URL,

wherein:

when receiving a request in which the common path information of the URL included in the connection information does not include the succeeded information, the communication part specifies the succeeded information from the connection information and sets the specified succeeded information at the location of the succeeded information of the common path information of the URL by the setting part, so as to have the terminal access the URL in which the specified succeeded information is set; and

when receiving a request in which the common path information of the URL included in the connection information includes the succeeded information, the communication part outputs the execution result information including the succeeded information by calling the function corresponding to the common path information of the URL specified by the handler part by using the succeeded information included in the common path information of the URL by the execution part, describes the execution result information including the succeeded information output from the execution part in the XML by the XML description part, and sends the terminal the Web page that the Web page generation part generates by converting the XML described by the XML conversion part into the HTML by using the style sheet corresponding to the succeeded information.

Claim 40 (New): The information processing apparatus as claimed in claim 39, further comprising a plurality of the execution parts,

wherein the relative path information is formed by application ID information specifying an application and page information specifying a respective execution part in the specified application;

a plurality of applications that are executable in which at least one of the execution parts is corresponded for each application; and

when generating link information linking to another application in the Web page to be generated, the Web page generation part generates the Web page by the HTML conversion part that describes the link information by using the style sheet to link to another application with the relative path information,

whereby the terminal accesses the URL formed by the common path information including the succeeded information and the relative path information following the common path information.

Claim 41 (New): An information processing method conducted by an information processing apparatus that provides a Web page to a terminal in response to a request received from the terminal connected through a network, said information processing method comprising:

a communication operation communicating based on connection information that is received from the terminal and that includes the URL formed by common path information and relative path information following the common path information;

a handler operation specifying a function corresponding the relative path information of the URL by referring to a list in which the relative path information corresponds to a function name;

an execution operation calling the function specified by the handler operation by using succeeded information of at least one of terminal type information, language

information, or profile information included in the common path information of the URL and outputting execution result information including the succeeded information;

an XML description operation describing the execution result information in XML;

an HTML conversion operation converting the XML described by the XML description operation into HTML by using a style sheet corresponding to the succeeded information from a plurality of style sheets for converting into the HTML for each of different succeeded information;

a Web page generation operation generating a Web page by the XML description operation and the HTML conversion operation; and

a terminal type setting operation specifying the succeeded information from the connection information and setting the specified succeeded information at a location of the succeeded information of the common path information of the URL,

wherein:

when receiving a request in which the common path information of the URL included in the connection information does not include the succeeded information, the communication operation specifies the succeeded information from the connection information and sets the specified succeeded information at the location of the succeeded information of the common path information of the URL by the terminal type setting operation, so as to have the terminal access the URL in which the specified succeeded information is set; and

when receiving a request in which the common path information of the URL included in the connection information includes the succeeded information, the communication operation outputs the execution result information including the succeeded information by calling the function corresponding to the common path information of the URL specified by the handler operation by using the succeeded information included in the common path

information of the URL by the execution operation, describes the execution result information including the succeeded information output from the execution operation in the XML by the XML description operation, and sends the terminal the Web page that the Web page generation operation generates by converting the XML described by the XML conversion operation into the HTML by using the style sheet corresponding to the succeeded information.

Claim 42 (New): The information processing method as claimed in claim 41, further comprises a plurality of execution operations:

wherein the relative path information is formed by application ID information specifying an application and page information specifying a respective execution operation to the specified application;

a plurality of applications are executable in which at least one of the execution operations is corresponded for each application; and

when generating link information linking to another application in the Web page to be generated, the Web page generation operation generates the Web page by the HTML conversion operation that describes the link information by using the style sheet to link to another application with the relative path information,

whereby the terminal accesses the URL formed by the common path information including the succeeded information and the relative path information following the common path information.

Claim 43 (New): An image forming apparatus including an image formation part conducting an image formation, an image formation control part controlling the image formation part, and a communication part communicating based on connection information

from a terminal connected through a network, wherein the connection information includes an URL and the URL included in the connection information is formed by common path information and relative path information following the common path information, and

wherein said image forming apparatus comprises:

a handler part specifying a function corresponding the relative path information of the URL by referring to a list in which the relative path information corresponds to a function name;

an execution part calling the function specified by the handler part by using succeeded information of at least one of terminal type information, language information, or profile information included in the common path information of the URL and outputting execution result information including the succeeded information;

an XML description part describing the execution result information in XML;

a Web page generation part generating a Web page by an HTML conversion part converting the XML described by the XML description part into HTML by using a style sheet corresponding to the succeeded information from a plurality of style sheets for converting into the HTML for each of different succeeded information; and

a setting part specifying the succeeded information from the connection information and setting the specified succeeded information at a location of the succeeded information of the common path information of the URL,

wherein:

when receiving a request in which the common path information of the URL included in the connection information does not include the succeeded information, the communication part specifies the succeeded information from the connection information and sets the specified succeeded information at the location of the succeeded information of the

common path information of the URL by the setting part, so as to have the terminal access the URL in which the specified succeeded information is set; and

when receiving a request in which the common path information of the URL included in the connection information includes the succeeded information, the communication part outputs the execution result information including the succeeded information by calling the function corresponding to the common path information of the URL specified by the handler part by using the succeeded information in the common path information of the URL by the execution part, describes the execution result information including the succeeded information output from the execution part in the XML by the XML description part, and sends the terminal the Web page that the Web page generation part generates by converting the XML described by the XML conversion part into the HTML by using the style sheet corresponding to the succeeded information.

Claim 44 (New): An information processing apparatus including a communication part communicating based on connection information from a terminal connected through a network, wherein the connection information includes an URL, and the URL included in the connection information is formed by common path information and relative path information following the common path information, and

wherein said information processing apparatus comprises:

an execution result generation part calling a function corresponding to only the relative path information of the URL by using first succeeded information included in the common path information of the URL and generating execution result information corresponding to the first succeeded information;

a Web page generation part generating a Web page described in HTML; and



a URL creation part specifying a second succeeded information of at least one of terminal type information, language information, or profile information from the connection information and creating the URL so that the second succeeded information is set as the first succeeded information in the common path information of the URL,

wherein:

when receiving a request in which the common path information of the URL included in the connection information does not include the first succeeded information, the communication part specifies the second succeeded information from the connection information and sets the second succeeded information in the common path information of the URL by the URL creation part, so as to have the terminal access the URL in which the second succeeded information is set; and

when receiving a request in which the common path information of the URL included in the connection information includes the first succeeded information, the communication part generates the execution result information corresponding to the first succeeded information by calling the function corresponding to the relative path information of the URL by using the first succeeded information included in the common path information of the URL, and sends the Web page that the Web page generation part generates based on the execution result information.

Claim 45 (New): The information processing apparatus as claimed in claim 44, further comprising a plurality of applications,

wherein the relative path information is formed by application ID information specifying an application and page information specifying a respective function to the specified application; and



when generating link information linking to another application in the Web page to be generated, the Web page generation part forms the link information by the relative path information being static information,

whereby the terminal accesses the URL formed by the common path information including the first succeeded information and the relative path information.

Claim 46 (New): The information processing apparatus as claimed in claim 45, further comprising a plurality of handlers each calling the function with a function name corresponding to the page information of the URL by using the first succeeded information, by referring to a first correspondence list in which the page information corresponds to the function name for calling the function,

wherein the plurality of handlers are implemented corresponding to the plurality of applications; and

the execution result generation part calls one of the plurality of handlers with a handler name corresponding to the application ID information of the URL, by referring to a second correspondence list in which the application ID information corresponds to the handler name specifying the one of the plurality of the handlers.

Claim 47 (New): An information processing method conducted by an information processing apparatus that provides a Web page to a terminal in response to a request received from the terminal connected through a network, said information processing method comprising:

a communication operation communicating based on connection information that is received from the terminal and includes the URL formed by common path information and relative path information following the common path information;

an execution result generation operation calling a function corresponding to only the relative path information of the URL by using first succeeded information included in the common path information of the URL and generating execution result information corresponding to the first succeeded information;

a Web page generation operation generating a Web page described in HTML; and

a URL creation operation specifying a second succeeded information of at least one of terminal type information, succeeded information, or profile information from the connection information and creating the URL so that the second succeeded information is set as the first succeeded information in the common path information of the URL,

wherein:

when receiving a request in which the common path information of the URL included in the connection information includes the first succeeded information, the communication operation generates the execution result information corresponding to the first succeeded information by calling the function corresponding to the relative path information of the URL by using the first succeeded information included in the common path information of the URL, and sends the Web page that the Web page generation step generates based on the execution result information; and

when receiving a request in which the common path information of the URL included in the connection information includes the second succeeded information, the communication operation specifies the second succeeded information from the connection information and sets the second succeeded information in the common path information of the URL by the URL creation operation, so as to have the terminal access the URL in which the second succeeded information is set.